PROJECT NAME: Park City Round Valley Reservoir Design and Environmental Studies

RECIPIENT: Park City

LOCATION: Park City, Utah

PURPOSE: One sentence summary: The Round Valley Reservoir will allow Park City and other water users in the Snyderville Basin to store water to be used for summer peak demands, stream augmentation and water source redundancy.

Detailed Description: The Round Valley Reservoir will allow the storage of up to 5,000 acre feet of raw water in the Snyderville Basin—Lost Canyon Importation water, water which comes from local sources where the water rights cannot be utilized during high spring flows, and in the future, reuse water from the local waste water treatment plants. The reservoir location is in an area of open space northeast of Park City. The ultimate project will consist of the design and construction of a dam, and a pipeline from the nearby raw waterline from the Lost Canyon importation project, a pump station and water line to the Quinn's Junction Water Treatment Plant scheduled to begin construction this summer by Park City, and a waterline to East Canyon Creek. The raw water can then be used for secondary irrigation, treated for culinary use during peak demand periods, for stream augmentation during dry years and for water source redundancy.

For this phase of the Round Valley Reservoir, Park City is seeking federal funding assistance for Design and Environmental Studies. Significantly, this project is not a "New Start"; it has received funding in the past.

The Park City area is challenged with the unique water issues left over from the early silver mining industries—Park City currently receives approximately one half of its water supplies in old abandoned mine tunnels—which make compliance with the unfunded mandates of the very stringent Federal Clean Water Act and the Safe Drinking Water Act Amendments and Regulations difficult and expensive. The Round Valley Reservoir will provide storage of imported water sources, local water sources, and reuse water that could benefit Park City and the Snyderville Basin. The raw water can then be used for secondary irrigation, treated for culinary use during peak demand periods and for blending with impaired water sources to meet the Federal Drinking Water Standards, for stream augmentation during dry years and for water source redundancy. The ability to store water within the Snyderville Basin would allow pumping of the imported water at off-peak times, allowing for more sustainable energy consumption.

The Park City region has been one of the fastest growing regions of the state and has experienced an over 400% increase in growth since 1980. This water project will allow the City to meet some of the critical regional demand for water.

How the funds will be used: Feasibility level design and cost estimates--$100,000; Hydrologic and hydraulic studies--$50,000; additional geotechnical and geologic studies (including drilling and test pits)--$250,000; Seismic Studies--$100,000; Environmental studies--$200,000.

The Federal Justification: The Park City area is challenged with the unique water issues left over from the early silver mining industries—Park City currently receives approximately one half of its water supplies in old abandoned mine tunnels—which make compliance with the unfunded mandates of the

very stringent Federal Clean Water Act and the Safe Drinking Water Act Amendments and Regulations difficult and expensive. The Round Valley Reservoir will provide storage of imported water sources, local water sources, and reuse water that could benefit Park City and the Snyderville Basin. The raw water can then be used for secondary irrigation, treated for culinary use during peak demand periods and for blending with impaired water sources to meet the Federal Drinking Water Standards, for stream augmentation during dry years and for water source redundancy. The ability to store water within the Snyderville Basin would allow pumping of the imported water at off-peak times, allowing for more sustainable energy consumption. The Park City region has been one of the fastest growing regions of the state and has experienced an over 400% increase in growth since 1980. This water project will allow the City to meet some of the critical regional demand for water.

AMOUNT: $525,000 (75% Federal share of $700,000)